

The professional profile of PhD-holders

Adhish Guli Virupaksha

Enginner specialized in physics informed neural networks

I am a PhD student at TU Bergakademie Freiberg and University of Strasbourg with the focus of my study being physics informed neural networks for flow, heat and mass transfer in porous media.

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Core business

PHASE 1 Skill development

I have undergone several training courses during my master's and my PhD that enhance my skills in reseach, development and scientific writing. I have utilized these skills during my study to aid with my work and continue to analyse the important techniques needed for my field.

PHASE 1 Evaluation

I have done several literature surveys on various topics as part of my studies. These activites helped me understand my own results and whether they stand the test of scientific scrutiny.

PHASE 1 Information management

As a Ph.D. student, I conducted extensive literature reviews to understand the existing research and identify research gaps. By utilizing citation management tools like Zotero or EndNote I am able to organize myreferences, generate citations in various formats, and easily insert them into my research papers.

Personal and relational qualities

PHASE 1 Communication

I have put together several presentations on the topics I currently work on and have presented them to my peers on several occassions.

PHASE 1 Analysis, synthesis and critical thinking

During my work, I have analysed the results of my algorithms and utilized appropriate techniques to verify thier accuracy and reliability. I have implemented my ideas successfully using structured work principles.

PHASE 1 Open-mindedness and creativity

I have implemented ideas not directly related to my work in order to analyse the functioning and limitations of specific techniques.

Business management and

PHASE 1 Project management

value creation

I have, during my master and PhD, undertaken several projects, where I developed a clear and detailed plan for my research project, including setting specific goals, breaking them down to smaller tasks and creating a feasible timetable. I prioritized works based on circumstances which optimized my productivity.

PHASE 1 Managing change

I have adapted to changes that I experienced during my projects based on new information or unexpected developments. I always attempt to stay flexible in order to accommodate any unforeseen changes. I regularly review my work to determine whether changes are required and where these changes must be implemented.

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